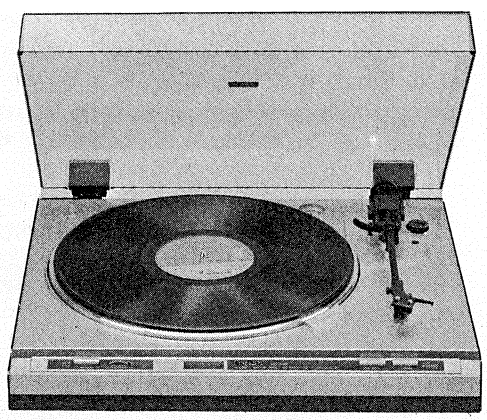
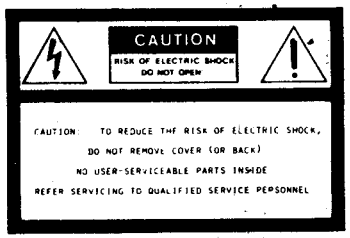
Sherwood

OPERATING INSTRUCTIONS



PD-702/702B

DIRECT DRIVE SYSTEM
SEMI AUTOMATIC TURNTABLE


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK)
NO USER-SERVICEABLE PARTS INSIDE
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

The lightning flash with arrowhead symbol, within and equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that many be of sufficient magnitude to constitute a risk of elevtric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

SAFETY INSTRUCTIONS

1. READ INSTRUCTIONS – All the safety and operating instructions should be read before the appliance is operated.
2. RETAIN INSTRUCTIONS – The safety and operating instructions should be retained for future reference.
3. HEED WARNINGS – All warnings on the appliance and in the operating instructions should be adhered to.
4. FOLLOW INSTRUCTIONS – All operating and use instructions should be followed.
5. WATER AND MOISTURE – The appliance should not be used near water – for example near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.
6. VENTILATION – The appliance should be situated so that its location or position do not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
7. HEAT – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
8. POWER SOURCES – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
9. POWER-CORD PROTECTION – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
10. CLEANING – The appliance should be cleaned only as recommended by the manufacturer.
11. POWER LINES – An outdoor antenna should be located away from power lines.
12. NONUSE PERIODS – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
13. OBJECT AND LIQUID ENTRY – Care should be taken so that objects do no fall and liquids are not spilled into the enclosure through openings.
14. DAMAGE REQUIRING SERVICE – The appliance should be serviced by qualified service personnel when:
    A. The power-supply cord or the plug has been damaged; or
    B. Objects have fallen, or liquid has been spilled into the appliance; or
    C. The appliance has been exposed to rain; or
    D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
    E. The appliance has been dropped, or the enclosure damaged.
15. SERVICING – The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to a qualified service personnel.

● INTRODUCTION

We would like to take this opportunity to thank you for purchasing our Sherwood turntable. We believe PD-702 is a high-performance turntable of professional caliber, and it will without doubt give you refreshing music experiences for many years to come.

In order to obtain the full use out of your turntable and in order to maintain its optimum performance characteristics, please read the following pages of this owner's manual carefully.

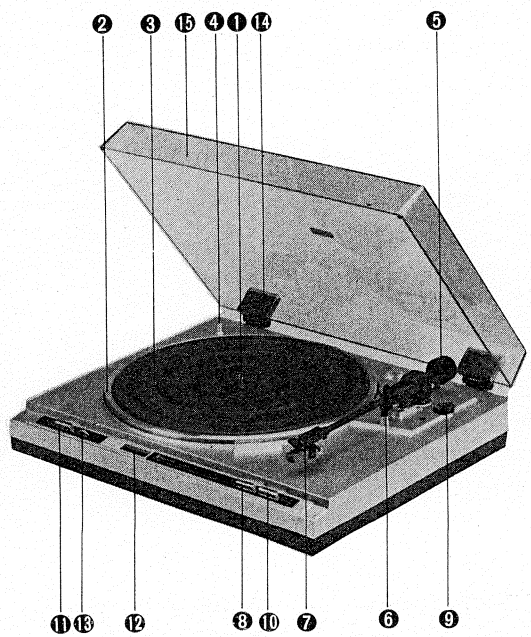
Do not attempt to operate the unit until you have made all adjustments and connections as specified in this manual.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

● NOMENCLATURE

1) Center Shaft
2) Platter
3) Rubber Sheet
4) 45 RPM Adaptor
5) Counter Weight
6) Arm Rest
7) Headshell Cartridge
8) Reject Button
9) Anti-Skating Device
10) Cueing Button
11) 33 1/3 RPM 45 RPM Button
12) Strobo Light
13) Speed Fine Adjustment Knob
14) Hinge
15) Dust Cover

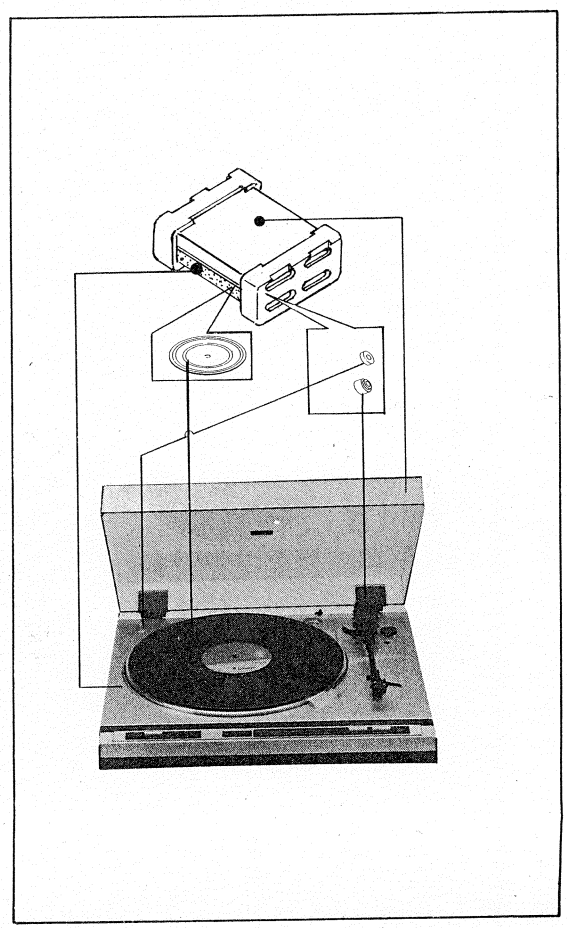
Cartridge and stylus are optional and may not be included in the unit depending on the destinations.



● LOCATION

The turntable can be set on any flat surface as long as the location selected will not be affected by excessive heat, humidity, vibration and dusts. Do not place the turntable near appliances that utilize electric motors or large power transformers, or directly on speaker box.

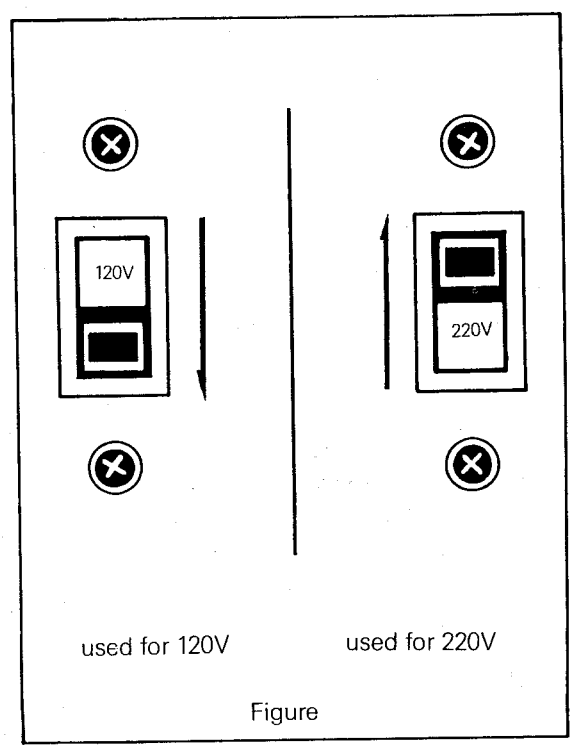
ATTENTION: The accessories are stored inside the styrofoam side moulding.



• AC VOLTAGE SELECTION

This appliance operates on 120V or 220V AC. And the position of voltage selector must be set to AC line voltage before connecting the power cord to your AC outlet. If you pull up the platter, you can find out voltage selector on the upper left side. Make sure the position of voltage selector switch on the top cabinet of the appliance.
This appliance is set to 220V AC. But when you use this appliance in the 120V area,set the selector position to 120V as following figure.

* When you buy this appliance,you can be helped by service departs.



Figure

● ASSEMBLY

1. Remove the transportation-purpose screws.
   Note: These screw are used to secure the floating platter and the tonearm from moving during transportation.
   Retain the screws and washers for future transportation.
2. Fit the platter.
3. Lay the rubber sheet.
4. Install the headshell.
5. Install the counter weight.

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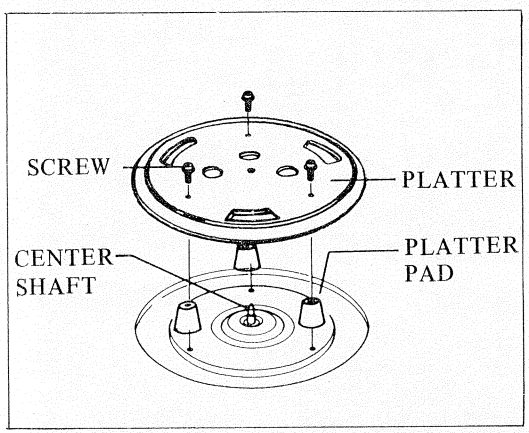

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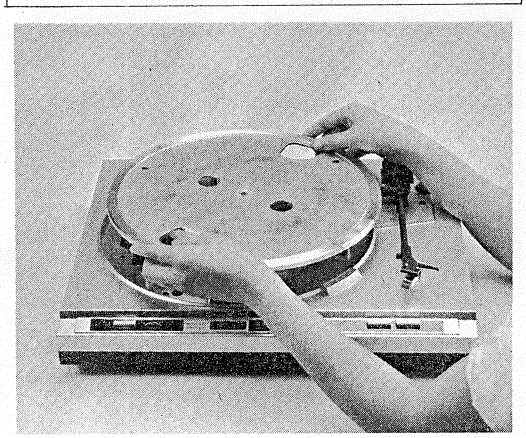

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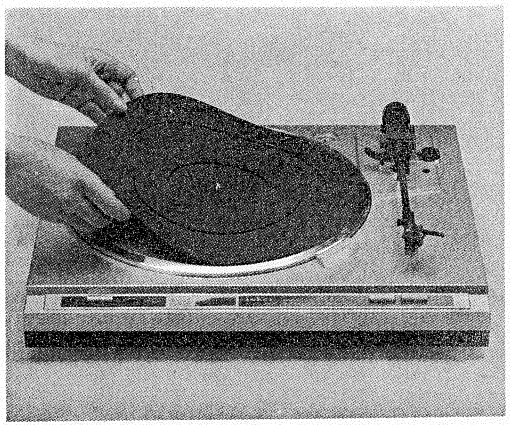

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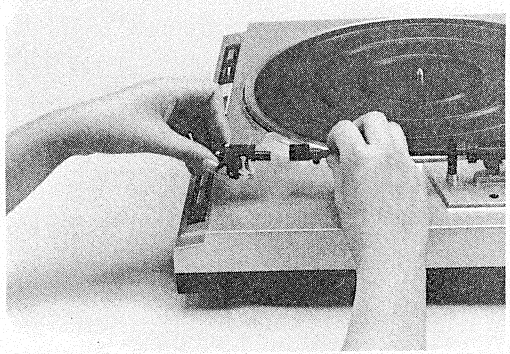

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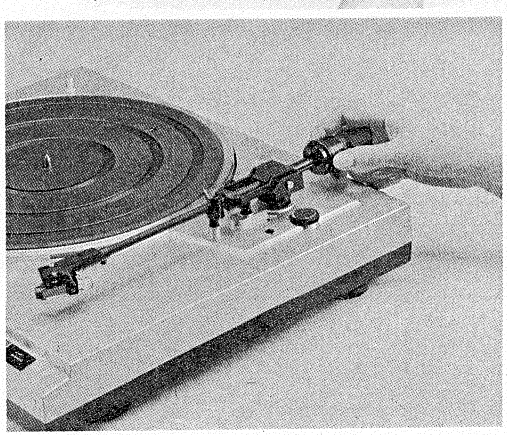
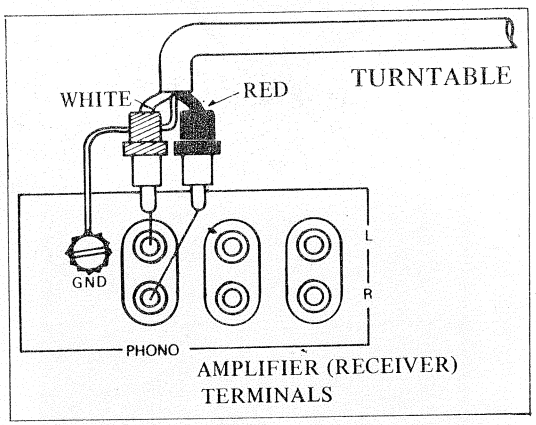
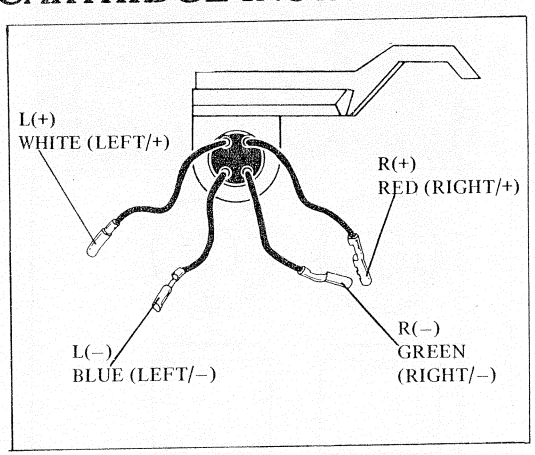


● CONNECTION



● CARTRIDGE INSTALLATION



● STYLUS LINE ADJUSTMENT

1. Loosen the cartridge screws slightly.
2. Move the tonearm above the Stylus Line Direction and adjust the cartridge until the stylus tip lies on stylus Line.
3. Tighten the screws to secure the cartridge in place.

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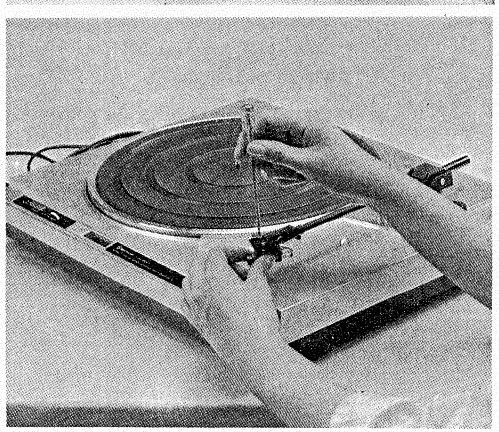

● STYLUS PRESSURE ADJUSTMENT

1. Adjust the counterweight so that the tonearm will be balanced horizontally (the cueing button must be at down position).
2. After the horizontal balancing, turn the counter ring only and set to 0 (zero) position in line with the marker on tonearm (do not touch the counter-weight).
3. Turn the counter weight clockwise to set the reading on the gauge ring to the designated stylus pressure (grams) of your cartridge.
4. Turn and set the anti-skating knob to the value same as the stylus pressure of your cartridge.

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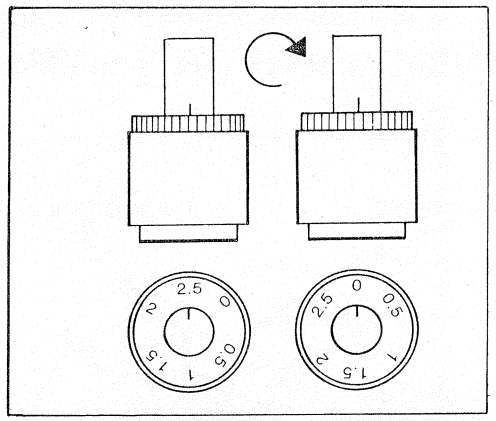

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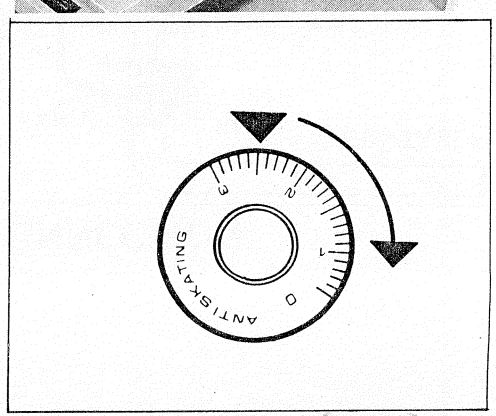

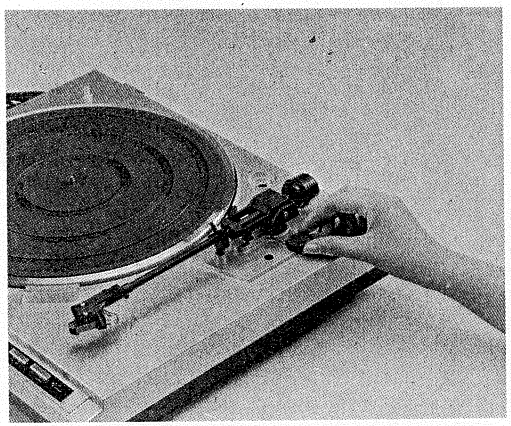

● STYLUS REPLACEMENT

Diamond stylus is usually good for about 500 to 1,000 hours of continuous playing, but the life expectancy of the stylus varies greatly depending on how it is used. A worn stylus will cause treble tones to be distorted and harsh, so the stylus must be replaced. Be sure to obtain the correct replacement stylus matching to your cartridge. The proper replacement stylus assembly can be inserted readily into the cartridge.

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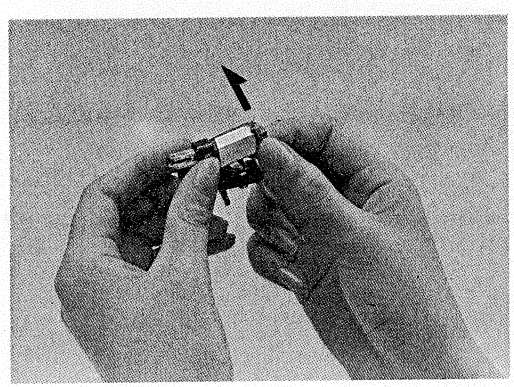

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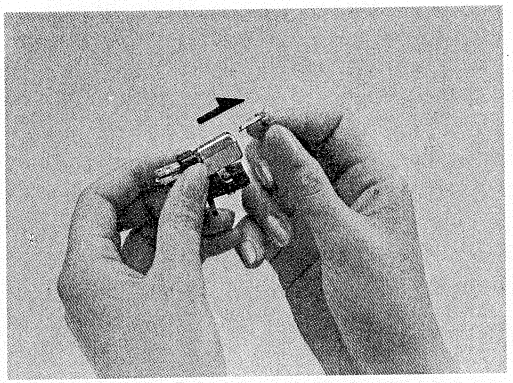

Removing the stylus assembly (typical).
Reverse the procedure when installing.

1. Hold the head of the stylus assembly and pull it up a little.
2. Pull it out toward an arrow.

● OPERATION

1. Place a record (disc) on the platter. For doughnut-type record which has a large center hole, use EP adapter.
2. Set the speed selector switch to the rpm of the record to be played.
3. Release the tone-arm from the Arm-Rest.
4. Push the cueing button UP.
5. Swing the tonearm carefully to a position directly over the starting grooves of the record. This will turn the power on.
6. Push the cueing button DOWN. The transcription starts.
7. When the transcription is over, the tonearm will automatically rise slowly, lifting the stylus from the record, and returns to the arm rest.
   The motor will also shut off automatically when the tonearm is swung back to the arm rest.

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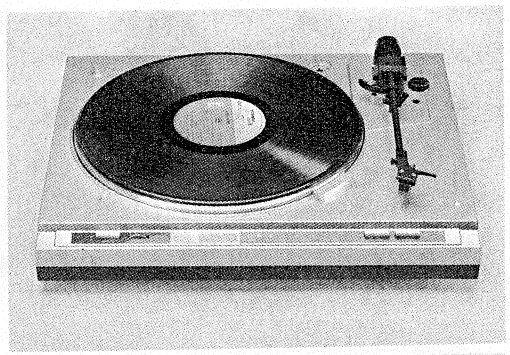

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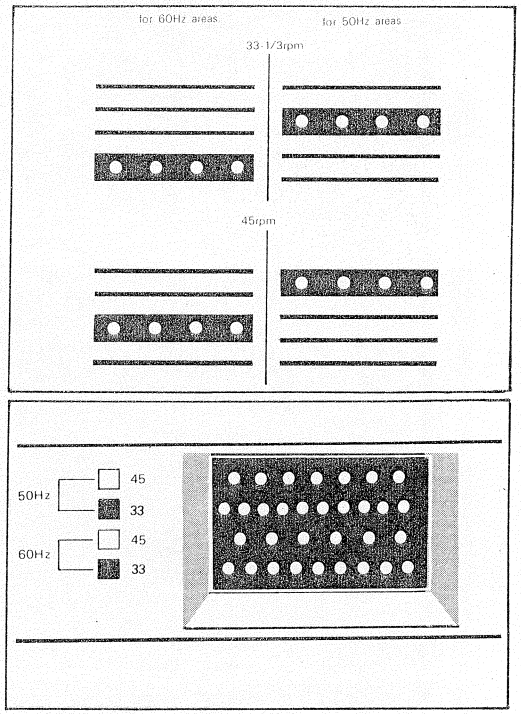
Whenever you wish to interrupt or terminate the play, push the REJECT button.

● MAINTENANCE

A. Do not stop the rotating platter by force.
B. When replacing cartridge or stylus, make sure the power is off on both the turntable and the amplifier or receiver.
C. Keep the stylus tip clean of dust. Use a soft brush and never use fingers.
D. Clean your records frequently with suitable cleaner before playing.
E. Do not move the turntable when it is operating.
F. Clean the cabinet and the dust cover with a soft dry cloth.

● FINE ADJUSTMENT OF SPEED

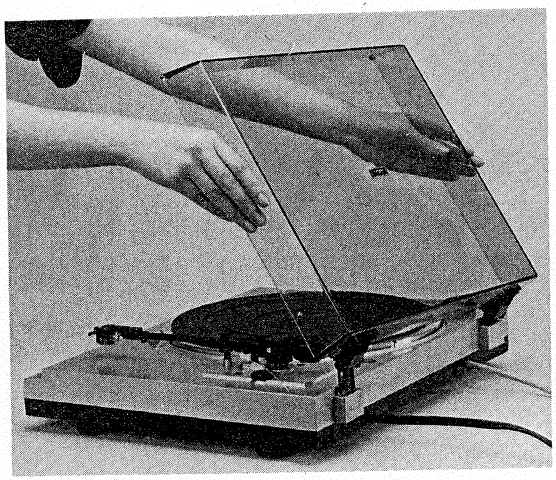
1. Push the 33-1/3 rpm button, and watch the strobo marks.
2. When the strobo marks seem to flow to the left, the platter is rotating faster than the rated speed; turn the speed fine adjustment knob in the clockwise direction, until the strobo marks come to rest. When the strobo marks seem to flow to the right,the platter is rotating slower than the rated speed; turn the speed fine adjustment knob in the counter-clockwise direction, until the strobo marks come to rest.
3. Next, push the 45 rpm button, and while watching the strobo marks, adjust the speed fine adjustment knob in the same manner as for 33-1/3 rpm, described above.



● HOWLING AND HUM

Howling is usually caused by vibration of speakers which affects the sensitive cartridge. If such phenomenon occurs, relocate the turntable or speakers away from each other as much as possible.
Hum is usually caused by imperfect grounding (earthing) of the turntable. Check if the turntable is properly grounded to the amplifier's ground. Hum will also be induced when the output cables are too close to the amplifier's power transformer, so locate the cables away. Sometimes, you can eliminate a hum by unplugging the AC plug and plug it back in reverse.

● DUST COVER



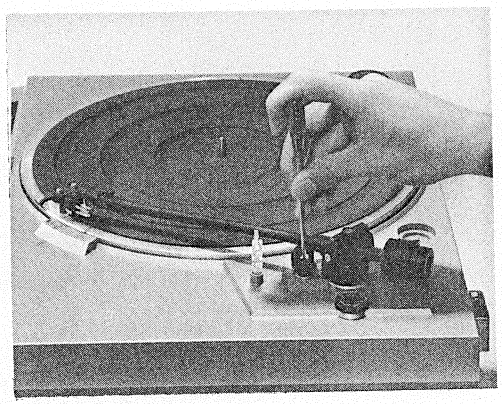
The dust cover can be easily detached. Note it is freestop from about 20° to 60° angle.

● ADJUSTMENT

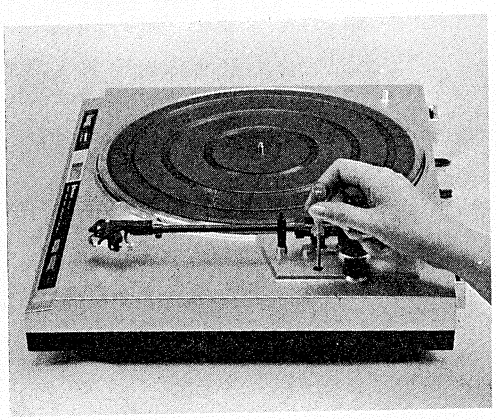
This section is written out in case of any mechanical troubles you have in operating your turntable. If there is nothing wrong with your turntable, disregard this section.
If there is trouble, see if any instruction listed below applies to your problem. Please consult qualified technician if you cannot make the following adjustments. If you have other problems, contact Sherwood authorized service centers.

● ADJUSTMENT FOR HEIGHT OF OIL LIFTER

In case the oil lifter is not functioning properly (e.g., lifting the tonearm too high or too low), adjust the screw as shown to re-set for a proper elevation level.



● ADJUSTMENT FOR AUTORETURN POSITION



In case the tonearm is not being properly returned (lifted from the record too early or too late), you may re-set for the proper returning point by adjusting the screw on the tonearm base as shown.

● SPECIFICATIONS

TURNTABLE SECTION

TYPE	Direct Drive Auto Return and Shut-Off
MOTOR	Direct Drive Motor
PLATTER	310 mm Al-Alloy Diecast
RANGE OF PITCH CONTROL	±3% min
SPEED	33-1/3 RPM 45 RPM
WOW & FLUTTER	0.055% WRMS
S/N RATIO	65 dB (Din-B)

TONEARM SECTION

TYPE	Straight Static Balance
TRACKING FORCE CONTROL	0-3 Gram
EFFECTIVE LENGTH	225 mm
OVER HANG	18.7 mm (19/25")
TRACKING ERROR	+2.6, −1 Degree
OFFSET ANGLE	24.5 Degree
CARTRIDGE WEIGHT	4 (Min) to 10 G (Max)
STYLUS PRESSURE	2 (Min) to 2.5 G (Max)

SUBFUNCTIONS

ANTI-SKATING FORCE CONTROL
CUEING DEVICE
STROBO LIGHT
FREE STOP HINGES
SPEED INDICATOR RED/GREEN LED.
OVERHANG LINE

ACCESSORIES

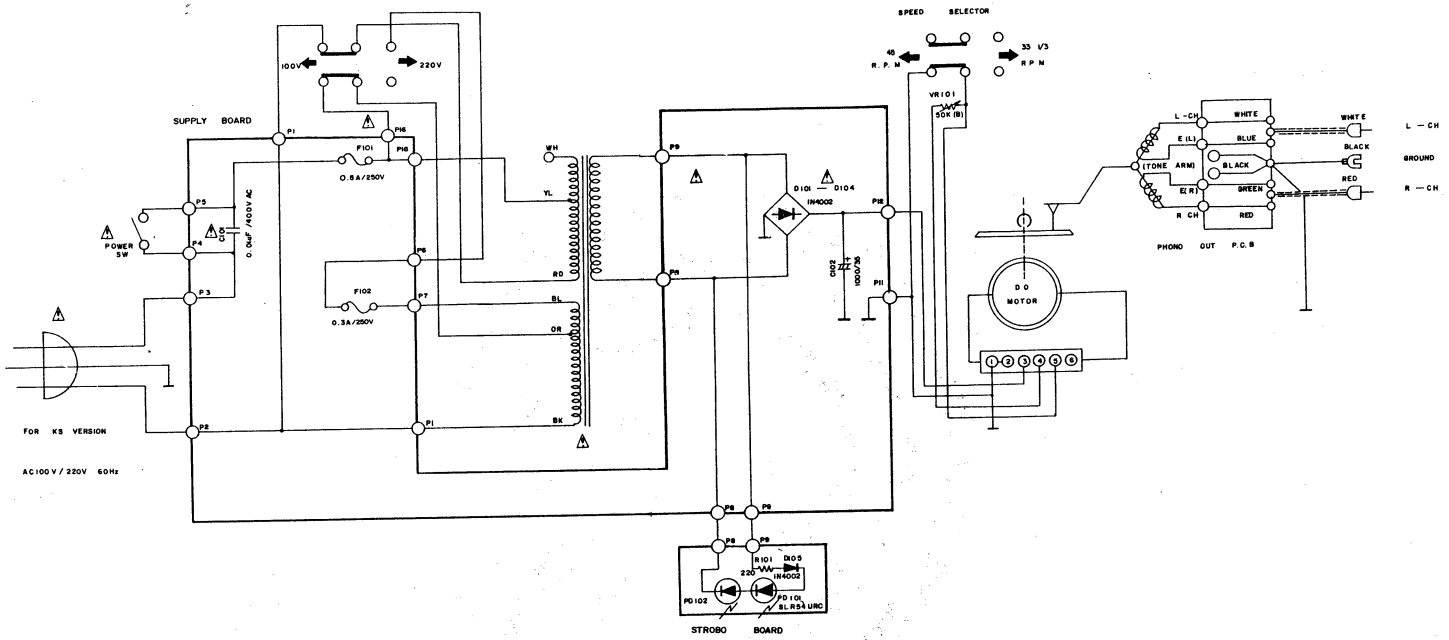
45 RPM ADAPTOR	1
OPERATING INSTRUCTION	1
CARTRIDGE	1 (option)

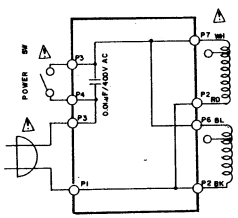
MISCELLANEOUS

POWER CONSUMPTION	6W
DIMENSIONS (WxHxD)	440 x 117 x 360 mm 17-5/16 x 4-568 x 14-3/6 inches
WEIGHT	6.0 Kg (13.2 lbs)

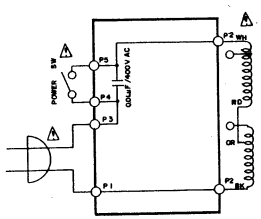
NOTE: Specifications and design subject to change without notice for improvements.

SCHEMATIC DIAGRAM

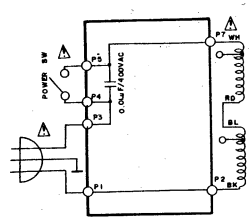




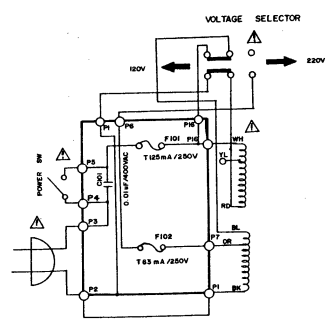
FOR UL CSA VERSION
AC120V / 60Hz



FOR EUROPE VERSION (CLASS II)
AC 220V / 50Hz



FOR BSI SAA VERSION
AC 240 V / 50 Hz



FOR GENERAL EUROPE VERSION
AC 120V/220V 50Hz 60Hz

NOTE
1. Resistance values are indicated in ohms unless otherwise specified.
(K= 1,000 M= 1,000,000)
2. Capacitance vaulues are shown in microfarads unless otherwise noted.
3. The ⚠ mark found on some component parts indicate the importance of the safety of the parts.
Therefore, when replacing, be sure to use parts of indentical designation.